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Part VI

Department of Transportation

**Research and Special Programs
Administration**

**49 CFR Part 107, et al.
Hazardous Materials Regulations; Editorial
Corrections and Clarifications; Final Rule**

H/M-107

DEPARTMENT OF TRANSPORTATION

Research and Special Programs
Administration49 CFR Parts 107, 171, 172, 173, 174,
175, 176, 177, 178, 179, and 180[Docket No. HM-189J, Amdt Nos. 107-29,
171-121, 172-130, 173-234, 174-74, 175-48,
176-34, 177-80, 178-89, 179-46, and 180-
4]

RIN 2137-AC44

Hazardous Materials Regulations;
Editorial Corrections and ClarificationsAGENCY: Research and Special Programs
Administration (RSPA), DOT.

ACTION: Final rule.

SUMMARY: This final rule corrects editorial errors and makes minor regulatory changes to the Hazardous Materials Regulations (HMR). This action is necessary to reduce misunderstandings of the HMR. The intended effect is to promote accuracy of the HMR. These amendments are minor editorial changes which will not impose any new requirements on persons subject to the HMR.

EFFECTIVE DATES: October 1, 1993.

The incorporation by reference of certain publications listed in this final rule is approved by the Director of the Office of the Federal Register as of October 1, 1993.

FOR FURTHER INFORMATION CONTACT: Beth Romo, telephone (202) 366-4488, Office of Hazardous Materials Standards, Research and Special Programs Administration, U.S. Department of Transportation, 400 Seventh Street, SW, Washington, D.C. 20590-0001.

SUPPLEMENTARY INFORMATION:

Background

On October 1, 1992, under Dockets HM-181 and HM-189, RSPA issued editorial and technical corrections to the 1991 edition of Title 49, Code of Federal Regulations (49 CFR), parts 107 and 171-180. RSPA performs an annual review of the Hazardous Materials Regulations (HMR) to detect errors which may be causing confusion to users. Inaccuracies include typographical errors, incorrect references to other rules and regulations in the CFR, and misstatements of certain regulatory requirements. Additionally, in response to inquiries RSPA has received concerning the clarity of particular requirements specified in the HMR, changes are made which should reduce uncertainties.

Since these amendments do not impose new requirements, notice and

public procedure are unnecessary. For the same reason, there is good cause to make these amendments effective without the customary 30-day delay following publication. This will allow the changes to appear in the next revision of 49 CFR.

The following is a section-by-section summary of the amendments:

Section-by-Section Review

Part 107

Section 107.117, paragraph (a), is revised to reflect the correct title of the Associate Administrator for Hazardous Materials Safety. Appendix B to subpart B and §§ 107.202(d), 107.327(a)(1)(iii), and 107.606(d) are revised to correct spelling and punctuation errors.

Section 107.315. Paragraphs (c) and (d) are revised to reflect an updated address for RSPA's accounting operations.

Part 171

The § 171.6(b)(2) Table, and the 171.7(a)(3) Table are revised to correct section references and spelling errors. The Matter Incorporated by Reference table in § 171.7 is updated to add "§ 172.102" (Special Provision B13) to the section reference for the entry "Aluminum Standards and Data", and to clarify that the edition of the International Maritime Dangerous Goods Code incorporated by reference is the English edition. In § 171.8, a section reference is updated for the definition of "Hazardous substance", the term "rail car" replaces "rail freight car", and a spelling error in the definition of "Research" is corrected.

Part 172

Section 172.101: *The Hazardous Materials Table (The Table)*. The Table is amended as follows:

In Column (1), the "I" is removed for the entry "Substances which in contact with water emit flammable gases, solid n.o.s.", and an "I" is added for the entry "White asbestos".

Spelling, punctuation, and other minor editorial corrections to proper shipping names in Column (2) are made to the following entries: "Anhydrous, ammonia"; "Cyclonite and cyclotetramethylenetetranitramine mixtures, wetted or desensitized"; "Cyclotrimethylenetrinitramine, desensitized or Cyclonite, desensitized, or Hexogen, desensitized or RDX, desensitized; Hexogen; RDX, desensitized."; "2,2-Dichlorodiethyl ether"; "Ethylene, acetylene and propylene in mixtures, refrigerated liquid containing at least 71.5 per cent ethylene with not more than 22.5 per

cent acetylene and not more than 6 per cent propylene."; "HMX, see Cyclotetramethylene-tetranitramine, etc."; "Lighters or lighter refills"; "5-Mercaptotetrazol-1-acetic acid"; "Mercury based pesticides, liquid, flammable, toxic, n.o.s. *flash point less than 23deg C.*"; "1-Methoxy-2-propanol"; "Methyl tert butyl ether"; "Methylacetylene and propadiene mixtures, stabilized"; "Organotin pesticides, liquid, flammable, toxic, n.o.s., *flash point less than 23deg C.*"; "Pentan-2,4-Dione"; "Permanganates, inorganic, n.o.s."; "Poisonous liquids, oxidizing, n.o.s. *Inhalation hazard, packing group I, Zone A*"; "Poisonous, solids, self heating, n.o.s."; "Poisonous, solids, which in contact with water emit flammable gases, n.o.s."; "Radioactive materials, low specific activity, n.o.s."; the first entry for "Rockets, line throwing"; "Signals, ship distress, wateractivated, see Contrivances, water-activated"; "Substances, explosive, very insensitive, n.o.s., or Substances, EVI, n.o.s."; "Tetraethyl dithiopyrophosphate and gases in solution or tetraethyl dithiopyrophosphate and gas mixtures"; "Tetraethyl pyrophosphate and compressed gas mixtures *LC50 over 200 ppm but not greater than 5000 ppm*"; "Triazine pesticides, liquid, flammable, toxic, n.o.s., *flash point less than 23deg C.*"; "Trinitrotoluene and Trinitrobenzene mixtures or Trinitrotoluene or TNT and trinitrobenzene mixtures or TNT and hexanitrostilbene mixtures and Hexanitrostilbene mixtures"; and "Vehicles, self-propelled". The entry for "Cabazide" is removed because available data does not justify this material to be forbidden.

For the entry "Cotton, wet", a packing group "III" entry is added in Column (5). The spelling of the word "LIQUID" is corrected in Column (6) for the entry "Hydrogen cyanide, anhydrous, stabilized". Corrections to Special Provisions references are made for the entries "Bromine", "Dimethyl hydrazine, unsymmetrical", "Isobutylene", "Polychlorinated biphenyls", and "Propylene".

Corrections in packaging references are made for the following entries: "Carbon dioxide and oxygen mixtures"; "Hydroquinone, liquid"; and "Polyester resin kit". Both non-bulk and bulk packaging authorizations for "Carbon dioxide and oxygen mixtures" are corrected to reference packagings for compressed gases. In the December 20, 1991 revised final rule, the entry "Hydroquinone" was split into two entries based on liquid or solid state. However, the non-bulk packaging

authorization for "Hydroquinone, liquid" was not revised to reflect the split. The current bulk packaging authorization for "Polyester resin kit" is removed as this kit cannot be shipped in a bulk quantity. Section 173.420 is added to the non-bulk and bulk packaging authorizations in Columns (8B) and (8C), respectively, for the entry "Uranium hexafluoride, fissile (containing more than 1% U-235)". This section was inadvertently omitted when changes adopted in the Docket HM-181 final rule were incorporated into the HMR. In addition, for the entry "Uranium hexafluoride, fissile excepted or non-fissile" the Column (8C) packaging exception section is revised to correctly reference § 173.421-2, which contains provisions for multiple hazard limited quantities of radioactive materials.

Vessel stowage requirement "M4" is removed for the entries "Elevated temperature material, liquid, n.o.s." and "Flammable liquids, elevated temperature material, n.o.s.", in Column (10b).

Section 172.101, *Appendices A and B*. In Appendix A to § 172.101, in Column 1, a spelling error is corrected for the entry "K064", and in Column 2, corrections are made to the entries "Dibenz(a,i)pyrene", "O,O-Diethyl S-methyl dithiophosphate", "Methyl isocyanate", and "p-Toluidine". In Appendix B to § 172.101, duplicate entries for "PP * * * Mercury compounds, solid, n.o.s.", "PP * * * Pentachlorophenol", and "Thallium compounds (pesticides)" are removed.

Section 172.102. Special Provision 14 is intended to define motor fuel antiknock mixtures, but the current definition, adopted under the Docket HM-181 final rule, is confusing. Therefore, Special Provision 14 is amended to reflect the pre-HM-181 definition of motor fuel antiknock mixtures.

The October 1, 1992 revised final rule under Docket HM-181 added a new Special Provision B13 to provide certain packaging exceptions for liquid tars, asphalts, and bitumen. Paragraph c. of this Special Provision referenced design stress limits by citing § 178.65-5(b), which contains a reference to "Aluminum Standards and Data." However, because § 178.65-5 is a section within a cylinder specification, RSPA has received numerous inquiries as to why Special Provision B13, which addresses bulk packagings, would reference a cylinder specification section. RSPA, therefore, is revising Special Provision B13 to directly reference "Aluminum Standards and Data."

Special Provision N81 is redesignated as Special Provision 81 to show that both bulk and non-bulk non-specification packagings are allowed for polychlorinated biphenyls. Minor editorial corrections are made to Special Provisions 12, 28 and N37. Special Provision B35 is revised to clarify a provision for tank cars previously marked "HYDROCYANIC ACID".

Special Provision B31 is removed, because it duplicates a provision in § 173.249 for Bromine. In addition, Special Provisions B17, B19, B20, B21, B22, B24, B29, B36, B39, B58, B62, and B86 are removed because they are not assigned to any hazardous material in the § 172.101 Table.

Section 172.202. Paragraph (a)(2) is revised to clarify that a subsidiary hazard division number may be used as an alternative to indicating subsidiary hazard class number in a shipping description.

Section 172.203. In the third sentence of paragraph (k) introductory text, quotation marks are added before and after "contains" for clarity. In paragraph (k)(3), in the list of proper shipping names for which the inclusion of technical names is required, the entry for flammable tree or weed killing compounds is revised to clarify that "Compounds, weed killing liquid" is a proper shipping name. Also in the paragraph (k)(3) list, the entry for "Rodenticides, n.o.s." is removed because this proper shipping name no longer appears in the § 172.101 Table. In paragraphs (k)(4) (iii) and (iv), the last sentence of each paragraph is removed because the examples used in these sentences are not appropriate.

Sections 172.400a and 172.406. Minor grammatical corrections are made in §§ 172.400a(a)(6) and 172.406(a)(2). In § 172.406(e)(1), the phrase "Each non-bulk package" is corrected to read "Each package".

Section 172.525. A spelling error is corrected in paragraph (b).

Section 172.526. Paragraph (b) is revised to remove an obsolete reference.

Section 172.556. A typographical error is corrected in paragraph (b).

Part 173

Section 173.2. A section reference for forbidden explosives is corrected in the table.

Section 173.3. Punctuation is corrected in paragraph (c) introductory text.

Section 173.4. In paragraph (a), the introductory text is revised for clarity, in (a)(2) a punctuation error is corrected, and in paragraph (a)(11), in the list of identification numbers not permitted to be shipped under the small quantity

exceptions, "9193" is removed because this identification number no longer is associated with any hazardous materials description.

Section 173.7. The paragraph (a) introductory text is revised to provide an updated reference to the procedures required for packagings offered by, for, or to the Department of Defense.

Section 173.10. In paragraphs (d) and (e), minor typographical errors are corrected.

Sections 173.21, 173.22, and 173.24a. In paragraphs (b) and (j) of § 173.21, in § 173.22(a)(3)(i), and in § 173.24a(b)(4)(i), section and paragraph references are corrected.

Section 173.31. In paragraph (c)(9), a spelling error is corrected.

Section 173.34. In paragraph (e)(16), the introductory text and paragraph (v) are revised to reflect new UN terminology for corrosive materials.

Section 173.25. In paragraph (a), the introductory phrase referencing paragraph (b) of the section is removed, because paragraph (b) is reserved.

Section 173.56. Paragraph (b)(2) introductory text and paragraph (b)(2)(i) are revised to clarify procedures for DOD classification and approval of new explosives. In addition, paragraph (b)(2)(i) is updated with the current name and symbol of the responsible activity within each service branch.

Section 173.57. An amendment to paragraph (a) introductory text corrects a reference to the material incorporated by reference section for the Explosive Test Manual.

Section 173.62. Paragraph (b) is revised to correctly reference Column 4.

Section 173.115. A parenthetical mark is added in paragraph (a) introductory text, and a reference in paragraph (a)(2) for testing the flammability of aerosols is revised for clarity.

Section 173.124. A typographical error is corrected in paragraph (b)(2).

Sections 173.127 and 173.128. In § 173.127, in paragraph (a), the word "oxidizer" is italicized, and in § 173.128(a), "organic peroxide" is corrected and italicized.

Section 173.132. The phrase in paragraph (b)(1) "administered which to" is corrected.

Section 173.133. In paragraph (b)(1)(ii), the formula is corrected.

Section 173.136. The wording "corrosive material" is italicized in paragraph (a).

Sections 173.151 and 173.159. In § 173.151(b)(2) and § 173.159(g)(1), errors in punctuation are corrected.

Section 173.225. In the paragraph (b)(8) Organic Peroxides Table, in Column (8), note 23 is moved from "Methyl ethyl ketone peroxide(s)" to "Methyl isobutyl ketone peroxide(s)".

Section 173.247. Measurements are corrected in paragraph (g) for elevated temperature material bulk packaging.

Section 173.301. Paragraph (g)(5) is revised to clarify that cylinders must be protected against damage, not injury.

Section 173.304. Punctuation is added in paragraph (d)(3)(i).

Section 173.306. Based on several petitions for rule change, paragraph (i) introductory text is revised to clarify that only one of the test methods must be applied, not all four test methods.

Section 173.315. In the paragraph (a) table, the "do" (or "ditto") in Column (4) for the entry "Nitrous oxide, refrigerated liquid", is no longer valid because Note 23 does not apply to this entry. The "do" is replaced with "DOT-51, MC-330, MC-331".

Section 173.318. A minor typographical correction "or frangible discs" is made in the first sentence of paragraph (b)(3)(iii).

Section 173.323. In paragraph (f), the wording "vapor pressure" is revised to read "vapor space" and the indicated temperatures in Fahrenheit and Celsius are reversed for consistency with HMR terminology.

Sections 173.417 and 173.433. The spelling of "percent" in Table 5, Footnote 2 of § 173.417(b)(2)(ii), and "known" in § 173.433(b)(4) are corrected.

Appendix B to Part 173. In paragraph 6., a section reference is corrected.

Appendix D to Part 173. The first heading is corrected.

Appendix E to Part 173. A typographical error is corrected in 2.c.(2)(A) and the 4. section heading is revised for consistency with other section headings.

Part 174

Section 174.1. A duplicate "to" is removed.

Section 174.25. In paragraph (a)(2)(ii), the U.S. customary unit equivalent to .25 cm is corrected.

Section 174.55. The terminology "car" is amended to read "transport vehicle or freight container".

Sections 174.82, 174.290, 174.430 and 174.700. Minor typographical and spelling errors are corrected.

Part 175

Section 175.320. Changes in hazard class terminology are made in the paragraph (a) table and paragraph (c) introductory text for clarity and consistency.

Part 176

Section 176.5. An obsolete introductory phrase is removed in paragraph (b) introductory text.

Section 176.83. A typographical error in paragraph (f)(4) is corrected to indicate the paragraph defines "a container space".

Section 176.100. A reference in the first sentence is revised.

Section 176.118. In paragraph (b), the word "grouping" is corrected to read "grounding".

Section 176.410. In paragraph (c)(2), the word "for" is corrected to read "from".

Part 177

Section 177.825. The responsibility for highway routing of hazardous materials, including Class 7 (radioactive) materials, has been delegated by the Secretary of Transportation to the Federal Highway Administration (FHWA). An interim final rule was issued by the FHWA (September 24, 1992; 57 FR 44129) to incorporate the routing requirements for Class 7 materials contained in the RSPA regulations at § 177.825. Therefore, in this document, § 177.825 is revised to reference routing and training requirements in the FHWA regulations at 49 CFR part 397 subpart D.

Section 177.834. Paragraph (j) is revised to correct a cite to the Segregation Table in § 177.848.

Sections 177.838 and 177.857. In paragraph (g) of § 177.838 and paragraph (d) of § 177.857, minor typographical errors are corrected.

Section 177.858. In paragraph (b)(1), the words "Further to" preceding "transport the cargo tank" are removed to provide clarity.

Part 178

Sections 178.39-9 and 178.39-14. Punctuation errors are corrected in paragraphs (a) and (b), respectively.

Section 178.46-12. Paragraph "(e)" is corrected to read "(c)".

Section 178.53-9. The word "sphere" is italicized.

Section 178.55-20. In paragraph (a) introductory text, the correct wording is "not less than".

Section 178.56-3. In the first sentence, "manufacturer" is corrected.

Section 178.56-11. In paragraph (a), the comma is removed after "1100 °F."

Section 178.60-24. In paragraph (a), in the sample report for acetylene shells, the entry pertaining to neckrings and footings is restructured for clarity.

Sections 178.61-8. In paragraph (c)(2), the spelling of "spot" is corrected.

Section 178.61-20. Paragraph (b) is revised to indicate the past tense "necessitated".

Section 178.270-5. In paragraph (d), in the formula for metric units, "3," is corrected to read "e".

Section 178.270-11. In paragraph (d)(1), the minimum total pressure relief valve vent capacity is corrected to 12,000 standard cubic feet per hour (SCFH).

Section 178.337-1. In paragraph (f), the hyphen in "post-weld" is removed.

Section 178.337-16. Paragraph (b)(2) is revised to indicate the past tense "described".

Section 178.338-10. In paragraph (c), the phrase "a least one rear bumper" is corrected to read "at least one rear bumper".

Section 178.338-19. In paragraph (c), the spelling for "certificates" is corrected.

Section 178.345-14. In paragraph (b)(11), the verb "is" is corrected to read "are" to agree with the plural "thicknesses".

Section 178.352-2. An incorrect section reference is corrected in paragraph (a).

Section 178.352-6. The spacing of the word "RADIOACTIVE" in paragraph (a)(2) is corrected for consistency with the rest of the phrase.

Section 178.362-2. In paragraph (e)(5), the spelling for "chimes" is corrected.

Section 178.516. The word "Joints" is corrected to read "joints" in paragraph (b)(3)(i).

Section 178.518. A hyphen is added to the wording "sift-proof" in paragraph (a)(2).

Section 178.600. A period is added at the end of the sentence.

Section 178.603. In the current paragraph (a) table, three drops per bag are required for single-ply bags without a side seam or multi-ply bags; however, only two drop orientations are given. The requirement for three drops per bag is incorrect; therefore, Column 2 is revised to require two drops per bag.

Section 178.605. In paragraph (d)(1), a second parenthetical mark is added after "(15 psi)" to close the parenthetical phrase and a superfluous "and" is removed.

Part 179

Section 179.101-1. The wording in footnote 6 is corrected to read "See".

Section 179.105-4. Paragraph (a) introductory text is revised to add the 112J tank car to the list of specification tank cars requiring thermal protection. As adopted in the December 21, 1990 final rule under Docket HM-181, Specification 112J tank cars were included in this list; however, in the 1991 edition of 49 CFR, the 112J inadvertently was omitted.

Section 179.203-1. In paragraph (a), the reference to § 179.202 is removed.

Part 180

Section 180.405. The word "is" in the phrase "an outlet is equipped" is removed in the introductory text of paragraph (f)(2) because it is superfluous.

Section 180.407. In paragraph (f)(1)(i)(C), the spelling of the word "gauge" is corrected.

Rulemaking Analyses and Notices**Executive Order 12291**

This final rule does not meet the criteria specified in § 1(b) of Executive Order 12291 and, therefore, is not a major rule. The rule is not considered significant under the regulatory policies and procedures of the Department of Transportation. This final rule does not require a Regulatory Impact Analysis, or a regulatory evaluation, or an environmental assessment or impact statement under the National Environmental Policy Act (42 U.S.C. 4321 *et seq.*).

Executive Order 12612

This final rule has been analyzed in accordance with the principles and criteria in Executive Order 12612 ("Federalism") and does not have sufficient federalism impacts to warrant the preparation of a federalism assessment.

Regulatory Flexibility Act

I certify that this final rule will not have a significant economic impact on a substantial number of small entities. This rule makes minor editorial changes which will not impose any new requirements on persons subject to the HMR; thus, there are no direct or indirect adverse economic impacts for small units of government, businesses, or other organizations.

Paperwork Reduction Act

There are no new information collection requirements in this final rule.

List of Subjects**49 CFR Part 107**

Administrative practice and procedure, Hazardous materials transportation, Packaging and containers, Penalties, Reporting and recordkeeping requirements.

49 CFR Part 171

Exports, Hazardous materials transportation, Hazardous waste, Imports, Incorporation by reference, Reporting and recordkeeping requirements.

49 CFR Part 172

Hazardous materials transportation, Hazardous waste, Labels, Markings, Packaging and containers, Reporting and recordkeeping requirements.

49 CFR Part 173

Hazardous materials transportation, Packaging and containers, Radioactive materials, Reporting and recordkeeping requirements, Uranium.

49 CFR Part 174

Hazardous materials transportation, Radioactive materials, Railroad safety.

49 CFR Part 175

Air carriers, Hazardous materials transportation, Radioactive materials, Reporting and recordkeeping requirements.

49 CFR Part 176

Hazardous materials transportation, Maritime carriers, Radioactive materials, Reporting and recordkeeping requirements.

49 CFR Part 177

Hazardous materials transportation, Motor carriers, Radioactive materials, Reporting and recordkeeping requirements.

49 CFR Part 178

Hazardous materials transportation, Motor vehicle safety, Packaging and containers, Reporting and recordkeeping requirements.

49 CFR Part 179

Hazardous materials transportation, Railroad safety, Reporting and recordkeeping requirements.

49 CFR Part 180

Hazardous materials transportation, Motor carriers, Motor vehicle safety, Packaging and containers, Reporting and recordkeeping requirements.

In consideration of the foregoing, 49 CFR Chapter I is amended as follows:

PART 107—HAZARDOUS MATERIALS PROGRAM PROCEDURES

1. The authority citation for part 107 is revised to read as follows:

Authority: 49 App. U.S.C. 1421(c), 1653(d), 1655, 1802, 1804, 1805, 1806, 1808-1811, 1815; 49 CFR 1.45 and 1.53 and App. A of 49 CFR part 1.

§ 107.117 [Amended]

2. In § 107.117, in paragraph (a), the wording "the Director, Associate Administrator for Hazardous Materials Safety," is revised to read "the Associate Administrator for Hazardous Materials Safety".

Appendix B to Part 107, Subpart B—[Amended]

3. In appendix B to subpart B of part 107, in the section entitled "Packages, Containers, Shipments", in paragraph (1), the wording "contracting background" is revised to read "contrasting background".

§ 107.202 [Amended]

4. In § 107.202, in paragraph (d), the comma following "minimis" is removed.

§ 107.315 [Amended]

5. In § 107.315, the following changes are made:

a. In the second sentence of paragraph (c) the wording "Salary and Expenses Branch (M-86.2), Accounting Services Division, Office of the Secretary, room 9112, U.S. Department of Transportation, 400 Seventh Street, SW., Washington, DC 20590-0001 (Tel. No. 202-366-5760)." is revised to read "Financial Operations Division (AMZ-320), Federal Aviation Administration, Mike Monroney Aeronautical Center, P.O. Box 25880, Oklahoma City, OK 73125."

b. In the first sentence of paragraph (d) the wording "Salary and Expenses Branch (M-86.2), Accounting Services Division, Office of the Secretary, room 9112, U.S. Department of Transportation, 400 Seventh Street, SW., Washington, DC 20590-0001." is revised to read "Financial Operations Division (AMZ-320), Federal Aviation Administration, Mike Monroney Aeronautical Center, P.O. Box 25880, Oklahoma City, OK 73125."

c. In the last sentence of paragraphs (c) and (d), the wording "at the same address." is revised to read "U.S. Department of Transportation, 400 Seventh Street, SW., Washington, DC 20590-0001." both places in appears.

§ 107.327 [Amended]

6. In § 107.327, in paragraph (a)(1)(iii), the word "writting" is revised to read "writing".

§ 107.606 [Amended]

7. In § 107.606, in paragraph (d), the word "is" is revised to read "his".

PART 171—GENERAL INFORMATION, REGULATIONS, AND DEFINITIONS

8. The authority citation for part 171 is revised to read as follows:

Authority: 49 App. U.S.C. 1802, 1803, 1804, 1805, 1808, and 1818; 49 CFR part 1.

§ 171.6 [Amended]

9. In § 171.6, in the paragraph (b)(2) Table, for the entry "2137-0034", in

Column 3, the reference "172.7(a)(1)" is revised to read "173.7(a)(1)".

§ 171.7 [Amended]

10. In § 171.7, in the paragraph (a)(3) Table, the following changes are made:

a. For the entry "Aluminum Standards and Data", the wording "172.102;" is added in Column 2 to precede "178.65-5".

b. The entry, "International Maritime Dangerous Goods (IMDG) Code, 1990 Consolidated Edition, as amended by Amendment 26 thereto" is amended by adding the wording "(English edition)" immediately following the word "thereto".

c. For the entry "UN Recommendations on the Transport of Dangerous Goods, Sixth Revised Edition (1989)," the wording "Edition" is revised to read "Edition".

d. For the entry "UN Recommendations on the Transport of Dangerous Goods, Tests and Criteria, Second Edition, 1990." in Column 2, the wording "172.57" is revised to read "173.57".

§ 171.8 [Amended]

11. In § 171.8, the following changes are made:

a. For the definition "Hazardous substance", in the concluding text of the definition, the wording "(see 40 CFR 300.6)" is revised to read "(see 40 CFR 300.5)".

b. The definition for "rail freight car" is removed.

c. For the definition "Research", the wording "investigation of experimentation" is revised to read "investigation or experimentation".

12. In addition, in § 171.8, a new definition is added in appropriate alphabetical sequence to read as follows:

§ 171.8 Definitions and abbreviations.

* * *

Rail car means a car designed to carry freight or non-passenger personnel by rail, and includes a box car, flat car, gondola car, hopper car, tank car, and occupied caboose.

* * *

§ 171.9 [Amended]

13. In § 171.9, in paragraph (b)(4), the wording "or permitted to the act" is revised to read "or permitted to do the act".

§ 171.15 [Amended]

14. In § 171.15, the authority citation at the end of the section is removed.

PART 172—HAZARDOUS MATERIALS TABLE, SPECIAL PROVISIONS, HAZARDOUS MATERIALS COMMUNICATIONS, EMERGENCY RESPONSE INFORMATION, AND TRAINING REQUIREMENTS

15. The authority citation for part 172 is revised to read as follows:

Authority: 49 App. U.S.C. 1803, 1804, 1805, 1808; 49 CFR part 1, unless otherwise noted.

§ 172.101 [Amended]

16. In § 172.101, in the Hazardous Materials Table, the following changes are made:

a. For the entry "Anhydrous, ammonia see *Ammonia, anhydrous, liquefied*", in Column (2), the comma between "Anhydrous" and "ammonia" is removed.

b. For the entry "Bromine or Bromine solutions", in Column (7), Special Provisions "B31," and "B73," are removed.

c. For the entry "Carbon dioxide and oxygen mixtures", in Column (8B) the wording "None" is revised to read "304"; and in Column (8C), the wording "244" is revised to read "314, 315".

d. For the entry "Cotton, wet", the wording "III" is added in Column (5).

e. For the entry "Cyclonite and cyclotetramethylenetetranitramine mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc.ed.", in Column (2), "ed." is removed at the end of the description.

f. For the entry "Cyclotrimethylenetrinitramine, desensitized or Cyclonite, desensitized, or Hexogen, desensitized or RDX, desensitized; Hexogen; RDX), desensitized.", the wording "RDX, desensitized; Hexogen; RDX), desensitized." is revised to read "RDX desensitized."

g. For the entry "2,2-Dichlorodiethyl ether", in Column (2), the wording "2,2-" is revised to read "2,2-".

h. For the entry "Dimethylhydrazine, unsymmetrical", in Column (7), Special Provision "A7," is removed.

i. For the entry "Elevated temperature material, liquid, n.o.s.", in Column (10b), the wording "M4" is removed.

j. For the entry "Ethylene, acetylene and propylene in mixtures, refrigerated liquid containing at least 71.5 per cent ethylene with not more than 22.5 per cent acetylene and not more than 6 per cent propylene.", in Column (2), the wording "per cent" is revised to read "percent" each place it appears.

k. For the entry "Flammable liquids, elevated temperature material, n.o.s.", in Column (10b), the wording "M4" is

removed and the entry is moved to its proper alphabetical sequence.

l. For the entry "HMX, see Cyclotetramethylene-tetranitramine, etc." in Column (2), the hyphen in the wording "Cyclotetramethylene-tetranitramine" is removed to read "Cyclotetramethylenetetranitramine".

m. For the entry "Hydrogen cyanide, anhydrous, stabilized", in Column (6), the word "LIQID" is revised to read "LIQUID".

n. For the entry "Hydroquinone, liquid", in Column (8B), the reference "213" is revised to read "203".

o. For the entry "Isobutylene see also Petroleum gases, liquefied", in Column (7), Special Provision "19" is added.

p. For the entry "5-Mercaptotetrazol-1-acetic acid", in Column (2), the word "acid" is revised to read "acid".

q. For the entry "Mercury based pesticides, liquid, flammable, toxic, n.o.s. flash point less than 23deg C.", in Column (2), the wording "23deg C." is revised to read "23 degrees C.".

r. For the entry "1-Methoxy-2-propanol", in Column (2), the wording "propanol" is revised to read "propanol".

s. For the entry "Methyl tert butyl ether", in Column (2), a hyphen is added between "tert" and "butyl" to read "tert-butyl".

t. For the entry "Methylacetylene and propadiene mixtures, stabilized", in Column (2), the word "Methylacetylene" is revised to read "Methyl acetylene" and the entry is moved to its correct alphabetical sequence following "Methyl acetate".

u. For the entry "Organotin pesticides, liquid, flammable, toxic, n.o.s., flash point less than 23deg C.", the wording "23deg C." is revised to read "23 degrees C.".

v. For the entry "Pentan-2,4-Dione", in Column (2), the wording "Dione" is revised to read "dione".

w. For the entry "Permanganates, inorganic, n.o.s.", in the Column (2) description, the wording "Safety y" is revised to read "Safety".

x. For the entry "Poisonous liquids, oxidizing, n.o.s. Inhalation hazard, packing group I, Zone A", the wording "packing group I" is revised to read "Packing Group I".

y. For the entry "Poisonous, solids, self heating, n.o.s.", the comma between "Poisonous" and "solids" is removed.

z. For the entry "Poisonous, solids, which in contact with water emit flammable gases, n.o.s.", the comma between "Poisonous" and "solids" is removed.

aa. For the entry "Polychlorinated biphenyls", in Column (7), Special Provision "N81" is revised to read "81".

bb. For the entry "Polyester resin kits", in Column (8C), the section reference "246" is revised to read "None".

cc. For the entry "Propylene see also Petroleum gases, liquefied", in Column (7), Special Provision "19" is added.

dd. For the first entry for "Rockets, line throwing", a hyphen is added between "line" and "throwing" to read "line-throwing".

ee. For the entry "Signals, ship distress, wateractivated, see Contrivances, water-activated, etc." the wording "wateractivated" is revised to read "water-activated".

ff. For the entry "Substances, explosive, very insensitive, n.o.s., or Substances, EVI, n.o.s.", the wording "or Substances" is amended by adding a space between "or" and "Substances".

gg. For the entry "Substances which in contact with water emit flammable gases, solid, n.o.s.", the "I" in Column (1) is removed.

hh. For the entry "Tetraethyl dithiopyrophosphate and gases in

solution or tetraethyl dithiopyrophosphate and gas mixtures", in Column (2), the wording "gases in solution" is revised to read "gases, in solution" and the wording "gas mixtures" is revised to read "gas, in mixtures".

ii. For the entry "Tetraethyl pyrophosphate and compressed gas mixtures) LC50 over 200 ppm but not greater than 5000 ppm", in Column (2), the parenthetical mark in the wording "mixtures)" is removed.

jj. For the entry "Triazine pesticides, liquid, flammable, toxic, n.o.s., flash point less than 23deg C." in Column (2), the wording "23deg C." is revised to read "23 degrees C."

kk. For the entry "Trinitrotoluene and Trinitrobenzene mixtures or Trinitrotoluene or TNT and trinitrobenzene mixtures or TNT and hexanitrostilbene mixtures and Hexanitrostilbene mixtures", in Column (2), the wording "mixtures and Hexanitrostilbene" is removed.

ll. For the entry "Uranium hexafluoride, fissile (containing more than 1% U-235)" in Columns (8B) and (8C), the reference "420" is added in each column to follow "417".

mm. For the entry "Uranium hexafluoride, fissile excepted or non-fissile" in Column (8A), the reference "421" is revised to read "421-2" and in Columns (8B) and (8C), the reference "420," is added in each column to precede "425".

nn. For the entry "Vehicles, self-propelled", in Column (2), the wording in the description "battery(see)" is revised to read "battery (see)".

oo. For the entry "White asbestos", in Column (1), an "I" is added.

17. In addition, the Hazardous Materials Table is amended by removing or adding, in appropriate alphabetical sequence, the following entries to read as follows:

§ 172.101 Purpose and use of hazardous materials table.

* * * * *

172.101 HAZARDOUS MATERIALS TABLE

(1) Sym- bols	(2) Hazardous materials descrip- tions and proper shipping names	(3) Hazard class or divi- sion	(4) Identifi- cation num- bers	(5) Packing group	(6) Label(s) required if not excepted	(7) Special provi- sions	(8) Packaging authorizations (173...)			(9) Quantity limita- tions		(10) Vessel stowage requirements
							Exceptions	Nonbulk packag- ing	Bulk packag- ing	Pass- enger aircraft or rail car (kg)	Cargo aircraft only (kg)	
	(REMOVE) Cebazide											
	Lighters or lighter refills (ciga- rettes) containing flammable gas	Forbidden.										
	Radioactive material, low spe- cific activity LSA, n.o.s.	2.1	UN1057		Flammable gas	N10	None	21,308	None	1	15 B	40
	Radioactive material, low spe- cific activity LSA, n.o.s.	7	UN2912		Radioactive		421, 422, 424.	425	425		A	
	(ADD) Lighters or lighter refills (ciga- rettes) containing flammable gas											
	Radioactive material, low spe- cific activity, n.o.s. or Radio- active material, LSA, n.o.s. ..	2.1	UN1057		Flammable gas	N10	None	21,308	None	1	15 B	40
	Radioactive material, low spe- cific activity, n.o.s. or Radio- active material, LSA, n.o.s. ..	7	UN2912		Radioactive		421, 422, 424.	423	425		A	

§ 172.101, Appendix A [Amended]

18. In Appendix A to § 172.101, the following changes are made:

- a. For the entry "Dibenz[a,i]pyrene", in Column 2, the wording "Bezo" is revised to read "Benzo".
- b. For the entry "O,O-Diethyl S-methyl dithiophosphate", in Column 2, the wording "O'OZ-diethylS-methyl ester" is revised to read "O,O-diethyl S-methyl ester".
- c. For the entry "Methyl isocyanate", in Column 2, the wording "isocynato-" is revised to read "isocyanato-".
- d. For the entry "p-Toluidine", in Column 2, the wording "Benzenaminew" is revised to read "Benzenamine".
- e. For the entry "K064", in Column 1, the word "blowdoen" is revised to read "blowdown".

§ 172.101, Appendix B [Amended]

19. In Appendix B to § 172.101, in the table, the following changes are made:

- a. The second entry for "PP * * * Mercury compounds, solid, n.o.s." is removed.
- b. The second entry for "PP * * * Pentachlorophenol" is removed.
- c. The second entry for "Thallium compounds (pesticides)" is removed.
- 20. In § 172.102, the following special provisions are added, revised, or removed as indicated:
 - a. In paragraph (c)(1), Special Provision 14 is revised and a new Special Provision 81 is added.
 - b. In paragraph (c)(3), Special Provision B13 is amended by revising the last sentence of paragraph c. and Special Provisions B17, B19, B20, B21, B22, B24, B29, B31, B36, B39, B58, B62, and B86 are removed.
 - c. In paragraph (c)(5), Special Provision N81 is removed. The additions and revisions read as follows:

§ 172.102 Special provisions.

- * * * * *
- (c) * * *
- (1) * * *

Code/Special Provisions

- * * * * *
- 14 Motor fuel antiknock mixtures are:
 - a. Mixtures of one or more organic lead mixtures (such as tetraethyl lead, triethylmethyl lead, diethyldimethyl lead, ethyltrimethyl lead, and tetramethyl lead) with one or more halogen compounds (such as ethylene dibromide and ethylene dichloride, hydrocarbon solvents or other equally efficient stabilizers); or
 - b. tetraethyl lead.
- * * * * *

- * * * * *
- 81 Polychlorinated biphenyl items, as defined in 40 CFR 761.3, for which specification packagings are impractical, may be packaged in non-specification packagings meeting the general packaging requirements

of subparts A and B of part 173 of this subchapter. Alternatively, the item itself may be used as a packaging if it meets the general packaging requirements of subparts A and B of part 173 of this subchapter.

(3) * * ***Code/Special Provisions**

- * * * * *
- B13 * * *
- c. * * * However, the design stress limits may not exceed 25 percent of the stress, as specified in the Aluminum Association's "Aluminum Standards and Data" (7th Edition June 1982), for 0 temper at the maximum design temperature of the cargo tank.
- * * * * *

§ 172.102 [Amended]

21. In addition, in § 172.102, the following changes are made:

- a. In paragraph (c)(1), in Special Provision 12, in the second sentence, the wording "conform with" is revised to read "conform to".
- b. In paragraph (c)(1), in Special Provision 28, the wording "dehydrated" is revised to read "dihydrated".
- c. In paragraph (c)(3), in Special Provision B35, a second sentence is added to read "Tank cars marked 'HYDROCYANIC ACID' prior to October 1, 1991 do not need to be remarked."
- d. In paragraph (c)(5), in Special Provision N37, the wording, "in a integrally-lined fiber drum" is revised to read "in an integrally-lined fiber drum".

§ 172.202 [Amended]

22. In § 172.202, in paragraph (a)(2), in the first sentence, the wording "or division" is added immediately following "subsidiary hazard class" and before "number".

§ 172.203 [Amended]

23. In § 172.203, the following changes are made:

- a. In paragraph (k) introductory text, in the third sentence, quotation marks are added to immediately precede and follow the word "contains".
- b. In paragraph (k)(3), for the entry "Compounds, tree or weed killing, liquid, flammable" the wording "weed killing, liquid;" is revised to read "weed killing, liquid,;" and the entry "Rodenticides, n.o.s." is removed.
- c. In paragraphs (k)(4)(iii) and (iv), the last sentence of each paragraph is removed.

§ 172.400a [Amended]

24. In § 172.400a, in paragraph (a)(6), the wording "is visible" is revised to read "are visible".

§ 172.406 [Amended]

25. In § 172.406, the following changes are made:

- a. In paragraph (a)(2), the wording "duplicate labeling not required" is revised to read "duplicate labeling is not required".
- b. In paragraph (e)(1), the wording "Each non-bulk package" is revised to read "Each package".

§ 172.525 [Amended]

26. In § 172.525, in paragraph (b), in the last sentence, the wording "border be black" is revised to read "border must be black".

27. In § 172.526, paragraph (b) is amended by revising the text preceding the placard to read as follows:

§ 172.526 Standard requirements for the RESIDUE placard.

- * * * * *
- (b) Except for size and color, the RESIDUE placard shall be as illustrated by the FLAMMABLE-RESIDUE placard:
- * * * * *

§ 172.556 [Amended]

28. In § 172.556, in paragraph (b), in the second sentence, the wording "±0.2 inches)" is revised to read "±0.2 inches)".

PART 173—SHIPPERS—GENERAL REQUIREMENTS FOR SHIPMENTS AND PACKAGINGS

29. The authority citation for part 173 is revised to read as follows:

Authority: 49 App. U.S.C. 1803, 1804, 1805, 1806, 1807, 1808, 1817; 49 CFR part 1, unless otherwise noted.

§ 173.2 [Amended]

30. In the § 173.2 table, in the second entry "None", in Column 4, the wording "173.53" is revised to read "173.54".

§ 173.3 [Amended]

31. In § 173.3, in paragraph (c) introductory text, the period following the word "defective" is removed and replaced with a comma.

§ 173.4 [Amended]

32. In § 173.4, the following changes are made:

- a. In paragraph (a) introductory text, the wording "and Class 7 materials, and Class 9 materials that also meet the definition" is revised to read "Class 9 materials, and Class 7 materials that also meet the definition".
- b. In paragraph (a)(2) introductory text, the period following the word "devices" is removed and replaced with a comma.
- c. In paragraph (a)(11), in the list of identification numbers, the last number "9193" is removed.

§ 173.7 [Amended]

33. In § 173.7, in paragraph (a) introductory text, the wording "pursuant to the Policies and Procedures for Hazardous Materials Packaging Certification, AFLCR 800-29/AFSCR 800-29/DARCOM-R 700-103/NAVMATINST 4030.11/DLAR 4145.37." is revised to read "in accordance with the procedures prescribed by 'Performance Oriented Packaging of Hazardous Material, DLAR 4145.41/AR 700-143/AFR 71-5/NAVSUPINST 4030.55/MCO 4030.40.'".

§ 173.10 [Amended]

34. In § 173.10, in paragraph (d), the wording "the shipper" is revised to read "the shipper."; and in paragraph (e), the wording "materials. (including)" is revised to read "materials (including)".

§ 173.21 [Amended]

35. In § 173.21, the following changes are made:

- a. In paragraph (b), the reference "§ 173.51" is revised to read "§ 173.54".
- b. In paragraph (j), the reference "§ 173.128(b)(4)(iii)" is revised to read "§ 173.128(a)(4)(ii)".

§ 173.22 [Amended]

36. In § 173.22, in paragraph (a)(3)(i), the wording "(see §§ 178.0-2 and 179.1" is revised to read "(see §§ 178.2 and 179.1)".

§ 173.24a [Amended]

37. In § 173.24a, in paragraph (b)(4)(i), the wording "paragraph (b)(1) of this section" is revised to read "paragraph (d) of this section".

§ 173.25 [Amended]

38. In § 173.25, in paragraph (a) introductory text, the wording "Except as provided in paragraph (b) of this section," is removed and "authorized" is revised to read "Authorized".

§ 173.31 [Amended]

39. In § 173.31, in paragraph (c)(9), in the first sentence, the wording "the presure" is revised to read "the pressure".

§ 173.34 [Amended]

40. In § 173.34, the following changes are made:

- a. In paragraph (e)(16) introductory text, the wording "'corrosive material'" is revised to read "Class 8 material".
- b. In paragraph (e)(16)(v), the wording "corrosive liquid" is revised to read "Class 8 liquid".

§ 173.56 [Amended]

41. In § 173.56, the following changes are made:

a. In paragraph (b)(2) introductory text, the wording "approved by:" is revised to read "concurred in by:".

b. In paragraph (b)(2)(i), the wording "U.S. Army Materiel Command Field Safety Activity (AMXOS-SE)" is revised to read "U.S. Army Technical Center for Explosives Safety (SMCAC-EST)"; the wording "(SEA-665)" is revised to read "(SEA-9934)"; and the wording "Headquarters U.S. Air Force (HQUSAF; ISC/SEWV), in accordance with" is revised to read "Air Force Safety Agency (SEW), when approved by the Chairman, DOD Explosives Board, in accordance with".

§ 173.57 [Amended]

42. In § 173.57, in the first sentence of paragraph (a) introductory text, the wording "(see § 171.8 of this subchapter)" is revised to read "(see § 171.7 of this subchapter)".

§ 173.62 [Amended]

43. In § 173.62, in paragraph (b), in the second sentence, the wording "are listed in Column 6" is revised to read "is listed in Column 4".

§ 173.115 [Amended]

44. In § 173.115, the following changes are made:

- a. In paragraph (a) introductory text, the wording "(14.7 psi) which—" is amended by adding a second parenthetical mark to read "(14.7 psi) which—".
- b. In paragraph (a)(2), in the last sentence, the wording "§ 173.306(i)(2), (3), and (4) of this part." is revised to read "§ 173.306(i) of this part."

§ 173.124 [Amended]

45. In § 173.124, in paragraph (b)(2), in the last sentence, the wording "24=hour test" is revised to read "24-hour test".

§ 173.127 [Amended]

46. In § 173.127, in paragraph (a), in the first sentence, the wording "'oxidizer'" is revised to read "oxidizer".

§ 173.128 [Amended]

47. In § 173.128, in paragraph (a) introductory text, the wording "T3organic peroxide" is revised to read "organic peroxide".

§ 173.132 [Amended]

48. In § 173.132, in paragraph (b)(1), the wording "administered which to" is revised to read "administered to".

§ 173.133 [Amended]

49. In § 173.133, in the formula in paragraph (b)(1)(ii), the wording "P₂" is revised to read "P₁".

§ 173.136 [Amended]

50. In § 173.136, in the paragraph (a) introductory text, the wording "'corrosive material'" is revised to read "corrosive material".

§ 173.151 [Amended]

51. In § 173.151, in paragraph (b)(2), a period is added at the end of the sentence.

§ 173.159 [Amended]

52. In § 173.159, in paragraph (g)(1), in the first sentence, the period following the wording "of glass" is removed and replaced with a comma.

§ 173.225 [Amended]

53. In § 173.225, in paragraph (b) Organic Peroxides Table, for the third entry for "Methyl ethyl ketone peroxide(s)", in Column (8), ".23" is removed; and, for the entry "Methyl isobutyl ketone peroxide(s)", in Column (8), ".23" is added.

§ 173.247 [Amended]

54. In § 173.247, the following changes are made:

- a. In paragraph (g)(1)(iii), in the first sentence, the wording "100 Kpa" is revised to read "100 kPa".
- b. In paragraph (g)(1)(iii)(B), the wording "46 cm² (7.1 in.²)" is revised to read "48 cm² (7.4 in.²)".

§ 173.301 [Amended]

55. In § 173.301, in paragraph (g)(5), the wording "avoid injury" is revised to read "avoid damage".

§ 173.304 [Amended]

56. In § 173.304, in paragraph (d)(3)(i), a period is added at the end of the last sentence preceding Note 1.

§ 173.306 [Amended]

57. In § 173.306, in paragraph (i) introductory text, the wording "the following test method must be applied;" is revised to read "one of the following test methods must be applied:".

§ 173.315 [Amended]

58. In § 173.315, in the paragraph (a) table, for the entry "Nitrous oxide, refrigerated liquid", in Column (4), the wording "do" is removed and replaced with "DOT-51, MC-330, MC-331".

§ 173.318 [Amended]

59. In § 173.318, in paragraph (b)(3)(ii), in the first sentence, the wording "of frangible discs." is revised to read "or frangible discs.".

§ 173.323 [Amended]

60. In § 173.323, in paragraph (f), in the first sentence, the wording "to render the vapor pressure of the tank nonflammable up to 105 °F (41 °C)." is

revised to read "to render the vapor space of the tank nonflammable up to 41 °C (105 °F)".

§ 173.417 [Amended]

61. In § 173.417, in paragraph (b)(2)(ii), in Table 5, Footnote 2, the word "perent" is revised to read "percent".

§ 173.433 [Amended]

62. In § 173.433, in paragraph (b)(4), in the first sentence, the wording "subparagraph (3) of this paragraph" is revised to read "paragraph (b)(3) of this section"; and in the second sentence, the word "known" is revised to read "known".

Appendix B [Amended]

63. In appendix B to part 173, in paragraph 6., the wording "§ 178.603(d)" is revised to read "§ 178.603(e)".

Appendix D [Amended]

64. In appendix D to part 173, in the heading "I. Test method D-1—Leakage Test", the wording "I." is revised to read "1..".

Appendix E [Amended]

65. In appendix E to part 173, the following changes are made:

a. In 2.c.(2)(A), in the fifth sentence, the wording "about 1 cm²" is revised to read "about 1 cm²".

b. In the 4. section heading, the wording "DANGEROUS WHEN WET MATERIALS." is revised to read "Dangerous When Wet Materials".

PART 174—CARRIAGE BY RAIL

66. The authority citation for part 174 is revised to read as follows:

Authority: 49 App. U.S.C. 1803, 1804, 1808; 49 CFR 1.53(e), 1.53, App. A to part 1.

§ 174.1 [Amended]

67. In § 174.1, the wording "to to be" is revised to read "to be".

§ 174.25 [Amended]

68. In § 174.25, in paragraph (a)(2)(ii), the wording "(0.98 inch)" is revised to read "(0.098 inch)".

§ 174.55 [Amended]

69. In § 174.55, in paragraph (c), the wording "in the car" is revised to read "in the transport vehicle or freight container".

§ 174.82 [Amended]

70. In § 174.82, in paragraph (a), the wording "Division 1.6 combustible liquids" is revised to read "Division 1.6, combustible liquids".

§ 174.280 [Amended]

71. In § 174.280, in the section heading, the wording "poisonous by inhalation" is revised to read "poisonous by inhalation".

§ 174.430 [Amended]

72. In § 174.430, in the section heading and first sentence, the wording "(pyrophoric liquid)" is revised to read "(pyrophoric liquid)" each place it appears.

§ 174.700 [Amended]

73. In § 174.700, in the paragraph (c) table, in footnote 1, the wording "undeveloped filmed" is revised to read "undeveloped film".

PART 175—CARRIAGE BY AIRCRAFT

74. The authority citation for part 175 is revised to read as follows:

Authority: 49 App. U.S.C. 1803, 1804, 1807, 1808; 49 CFR part 1.

§ 175.320 [Amended]

75. In § 175.320, the following changes are made:

a. In the paragraph (a) table, for the entries "Fuel, aviation, turbine engine; methyl alcohol; or toluene"; "Gasoline"; and "Oil n.o.s.; petroleum oil or petroleum oil, n.o.s.", in Column (3), the wording "(oxidizing)" is revised to read "(oxidizer)" each place it appears.

b. In paragraph (c) introductory text, the wording "(flammable) and combustible liquid" is revised to read "(flammable) and combustible liquid".

PART 176—CARRIAGE BY VESSEL

76. The authority citation for part 176 is revised to read as follows:

Authority: 49 App. U.S.C. 1803, 1804, 1805, 1808; 49 CFR Part 1.53, App. A to part 1.

§ 176.5 [Amended]

77. In § 176.5, in paragraph (b) introductory text, the wording "With the exception of paragraph (c) of this section," is removed and the word "this" is revised to read "This".

§ 176.83 [Amended]

78. In § 176.83, in paragraph (f)(4), the wording "a 'container space' means a distance" is revised to read "a 'container space' means a distance".

§ 176.100 [Amended]

79. In § 176.100, in the first sentence, the wording "33 CFR 126.9" is revised to read "33 CFR 126.19".

§ 176.118 [Amended]

80. In § 176.118, in paragraph (b), in the last sentence, the wording

"satisfactory grouping" is revised to read "satisfactory grounding".

§ 176.410 [Amended]

81. In § 176.410, in paragraph (c)(2), the wording "away for the material" is revised to read "away from the material".

PART 177—CARRIAGE BY PUBLIC HIGHWAY

82. The authority citation for part 177 is revised to read as follows:

Authority: 49 App. U.S.C. 1803, 1804, 1805; 49 CFR part 1.

83. Section 177.825 is revised to read as follows:

§ 177.825 Routing and training requirements for Class 7 (radioactive) materials.

A carrier or any person operating a motor vehicle that contains a Class 7 (radioactive) material for which placarding is required must comply with routing and training requirements in 49 CFR part 397, subpart D.

§ 177.834 [Amended]

84. In § 177.834, in paragraph (j), the wording "by loading and storage chart, § 177.848" is revised to read "by the Segregation Table in § 177.848".

§ 177.838 [Amended]

85. In § 177.838, in paragraph (g), the following changes are made:

a. In the penultimate sentence, the wording "insider containers" is revised to read "inside containers" and the wording "(16 pounds)." is revised to read "(16 pounds)".

b. In the last sentence, the word "MATERIAL" is removed.

§ 177.857 [Amended]

86. In § 177.857, in paragraph (d), in the last sentence, the comma in the wording "left, either" is removed.

§ 177.858 [Amended]

87. In § 177.858, in paragraph (b)(1), the wording "Further to transport the cargo tank" is revised to read "Transport the cargo tank".

PART 178—SPECIFICATIONS FOR PACKAGINGS

88. The authority citation for part 178 is revised to read as follows:

Authority: 49 App. U.S.C. 1803, 1804, 1805, 1806, 1808; 49 CFR part 1.

§ 178.39-9 [Amended]

89. In § 178.39-9, in paragraph (a), a period is added at the end of the second sentence after the word "percent".

§ 178.39-14 [Amended]

90. In § 178.39-14, in paragraph (b), at the end of the second sentence, after the word "pressure", the comma is removed and replaced with a period.

§ 178.46-12 [Amended]

91. In § 178.46-12, paragraph (e) is redesignated as paragraph (c).

§ 178.53-9 [Amended]

92. In § 178.53-9, in paragraph (b), the word "sphere" is revised to read "sphere".

§ 178.55-20 [Amended]

93. In § 178.55-20, in paragraph (a) introductory text, the wording "not less and" is revised to read "not less than".

§ 178.56-3 [Amended]

94. In § 178.56-3, in the first sentence, the word "manufacturer" is revised to read "manufacturer".

§ 178.56-11 [Amended]

95. In § 178.56-11, in paragraph (a), in the second sentence, the comma following the wording "1100 °F." is removed.

§ 178.60-24 [Amended]

96. In § 178.60-24, in paragraph (a), in the form, the wording "The _____ permitted in (neckrings, footrings, etc.)" is revised to read "The _____ (neckrings, footrings, etc.) permitted in".

§ 178.61-8 [Amended]

97. In § 178.61-8, in paragraph (c)(2), in the second sentence, the word "sport" is revised to read "spot".

§ 178.61-20 [Amended]

98. In § 178.61-20, in paragraph (b), in the last sentence, the wording "necessitate by" is revised to read "necessitated by".

§ 178.270-5 [Amended]

99. In § 178.270-5, in paragraph (d), in the formula for metric units, the wording "3," is revised to read "e,".

§ 178.270-11 [Amended]

100. In § 178.270-11, in paragraph (d)(1), in the second sentence, the wording "value" is revised to read "valve", and the wording "(12,000 SCFH)" is revised to read "(12,000 SCFH)".

§ 178.337-1 [Amended]

101. In § 178.337-1, in paragraph (f), in the penultimate and last sentences,

the wording "post-weld" is revised to read "postweld" both places it appears.

§ 178.337-16 [Amended]

102. In § 178.337-16, in paragraph (b)(2), in the first sentence, the word "describe" is revised to read "described".

§ 178.338-10 [Amended]

103. In § 178.338-10, in paragraph (c), in the first sentence, the wording "with a least one rear bumper" is revised to read "with at least one rear bumper".

§ 178.338-19 [Amended]

104. In § 178.338-19, in paragraph (c), in the last sentence, the wording "certificate or certificates" is revised to read "certificate or certificates".

§ 178.345-14 [Amended]

105. In § 178.345-14, in paragraph (b)(11), the wording "minimum shell thicknesses is not" is revised to read "minimum shell thicknesses are not".

§ 178.352-2 [Amended]

106. In § 178.352-2, in paragraph (a), the reference "(see § 178.103-6)." is revised to read "(see § 178.352-6).".

§ 178.352-6 [Amended]

107. In § 178.352-6, in paragraph (a)(2), the wording "RADIOACTIVE" is revised to read "RADIOACTIVE".

§ 178.362-2 [Amended]

108. In § 178.362-2, in paragraph (e)(5), in the last sentence, the word "chines" is revised to read "chimes".

§ 178.516 [Amended]

109. In § 178.516, in the paragraph (b)(3)(i) introductory text, the word "joints" is revised to read "joints".

§ 178.518 [Amended]

110. In § 178.518, in paragraph (a)(2), the wording "sift proof" is revised to read "sift-proof".

§ 178.600 [Amended]

111. In § 178.600, a period is added at the end of the sentence.

§ 178.603 [Amended]

112. In § 178.603, in the paragraph (a) table, for the last entry "Bags—singleply without a side seam, or multiply", in Column 2, the wording "Three—(three drops per bag)." is revised to read "Three—(two drops per bag).".

§ 178.605 [Amended]

113. In § 178.605, in paragraph (d)(1), the wording "minus 100 kPa (15 psi) at 55 °C (131 °F) and multiplied by" is revised to read "minus 100 kPa (15 psi) at 55 °C (131 °F), multiplied by".

PART 179—SPECIFICATIONS FOR TANK CARS

114. The authority citation for part 179 is revised to read as follows:

Authority: 49 App. U.S.C. 1803, 1804, 1805, 1806, 1808; 49 CFR part 1, unless otherwise noted.

115. In part 179, in the table of contents for subpart F, the last two entries "179.500-9" and "179.500-10" which immediately follow the entry "179.500-18" are removed.

§ 179.101-1 [Amended]

116. In § 179.101-1, at the end of the paragraph (a) table, in footnote 6, the wording "Sec." is revised to read "See".

§ 179.105-4 [Amended]

117. In § 179.105-4, in paragraph (a) introductory text, the wording "112," is added immediately following "111," and immediately before "112T,".

§ 179.203-1 [Amended]

118. In § 179.203-1, in paragraph (a), the wording "179.200, 179.201, and 179.202." is revised to read "179.200 and 179.201.".

PART 180—CONTINUING QUALIFICATION AND MAINTENANCE OF PACKAGINGS

119. The authority citation for part 180 is revised to read as follows:

Authority: 49 App. U.S.C. 1803; 49 CFR part 1.

§ 180.405 [Amended]

120. In § 180.405, in paragraph (f)(2) introductory text, the word "is" following "outlet" is removed.

§ 180.407 [Amended]

121. In § 180.407, in paragraph (f)(1)(i)(C), in the second sentence, the word "guage" is revised to read "gauge".

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Rose A. McMurray,

Acting Administrator, Research and Special Programs Administration.

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